

## ABSTRACT

An transmission oil cooler for a vehicle comprises a pair of tube plates, each of which has a cup-shaped oil inlet and a cup-shaped oil outlet at ends thereof and which are welded to each other. An inner fin is mounted in an oil flow passage formed 5 between the tube plates for absorbing heat emitted from the oil and transferring the absorbed heat to the tube plates. A pair of stoppers are respectively mounted on an edge of the cup-shaped inlet and the cup-shaped outlet for fixing the ends of the inner fin thereto.